

CLAIMS

1 1. A device for use in acquiring address information at a link in a
2 telecommunication network, the device comprising:
3 a connection for the telecommunication network;
4 a processing system operable to receive a data stream through the
5 connection and determine the address information contained in the data
6 stream based on the occurrence of a flag in a message signal unit (MSU)
7 contained in the data stream;
8 a display operatively connected to the processing system, the
9 display operable to display the address information; and
10 an arrangement for supplying power to the display and the
11 processing system from a self-contained power source.

1 2. The device of claim 1 wherein the address information comprises:

2 an origination point code; and
3 a destination point code.

1 3. The device of claim 2 wherein the processing system is further operable
2 to determine an application part based on a specified field within the MSU, and
3 wherein the display is further operable to display the application part.

1 4. The device of claim 2 wherein the MSU is a signaling system seven
2 (SS7) MSU.

1 5. Apparatus for use in acquiring address information at a link in a
2 telecommunication network, the apparatus comprising:

3 means for connection for the telecommunication network;

4 means for receiving a data stream through the means for
5 connection;

6 means for determining the address information contained in the data
7 stream based on the occurrence of a flag in a message signal unit (MSU)
8 contained in the data stream; and

9 means for displaying the address information, the means for
10 displaying operatively connected to the means for determining.

1 6. The apparatus of claim 5 further comprising means to determine and
2 display an application part.

1 7. A method of presenting address information at a link in a
2 telecommunication network, the method comprising:

3 receiving a data stream;

4 detecting the occurrence of a flag in the data stream, the flag
5 indicating a beginning of a message signal unit (MSU) contained within the
6 data stream;

7 collecting address bits based on a positioning of the address bits
8 within the MSU relative to the flag;

9 parsing the address bits to determine the address information; and
10 displaying the address information.

1 8. The method of claim 7 wherein the parsing of the address bits is
2 accomplished at least in part by determining an origination point code and a
3 destination point code contained within the address information.

1 9. The method of claim 8 further comprising:

2 collecting application part bits from a specified field within the MSU;

3 determining an application part based on the application part bits;

4 and

5 displaying the application part.

1 10. The method of claim 8 wherein the MSU is a signaling system seven
2 (SS7) MSU.

1 11. Apparatus for presenting address information at a link in a
2 telecommunication network, the apparatus comprising:

3 means for receiving a data stream;

4 means for detecting the occurrence of a flag in the data stream, the
5 flag indicating a beginning of a message signal unit (MSU) contained within
6 the data stream;

7 means for collecting address bits based on a positioning of the
8 address bits within the MSU relative to the flag;

9 means for parsing the address bits to determine the address
10 information; and

11 means for displaying the address information.

1 12. The apparatus of claim 11 further comprising:

2 means for collecting application part bits from a specified field within
3 the MSU;

4 means for determining an application part based on the application
5 part bits; and

6 means for displaying the application part.